



TECHNICAL DATA SHEET

Weatherlastic® Smooth

Flexible, Waterproof
Elastomeric Exterior Coating
DS433

PRODUCT DESCRIPTION

Weatherlastic Smooth is a water-based elastomeric wall coating. It is easily applied with an airless spray or roller. Weatherlastic Smooth is based upon a 100% acrylic, copolymer elastomeric resin, which provides excellent elongation and flexibility at low temperatures. The coating resists mildew growth and dirt pickup and is highly chalk-resistant.



BASIC USES

Weatherlastic Smooth is recommended as a waterproof coating on properly prepared concrete, masonry, EIFS and stucco substrates.

FEATURES & BENEFITS

FEATURE:

- Elastomeric formulation
- Dirt pickup resistant
- Mildew resistant
- Plasticizer free
- Low temperature flexibility

BENEFIT:

- Bridges hairline cracks
- Wall stays cleaner longer
- Resists mildew longer
- More crack resistant
- Less likely to crack when it reaches a certain

PROPERTIES

Drying Time: A 22 mils thick wet film (to achieve an 11 mils dry film) will dry to the touch in 3-4 hours @ 70 °F (21 °C), 55% R.H. Protect from rainfall for 24 hours at 70 °F (21 °C), 55% R.H., longer when temperature is cooler and when relative humidity is higher.

Testing Information: Testing is in accordance with SWRI's Validation Program. For additional testing refer to the chart included with this document.

ADVANTAGES:

- Bridges hairline cracks
- Dirt Pickup Resistant
- Mildew Resistant
- Plasticizer free
- Low temperature flexibility
- Maximum adhesion
- Highly chalk resistant

SEALANT-WATERPROOFING & RESTORATION INSTITUTE	
Issued to: Dryvit® Systems, Incorporated	
Product: Weatherlastic® Smooth	
ASTM D 6904: Resistance to Wind Driven Rain	
Weight Gain: 0.1 oz. Water Leaks: none	Pass ✓
ASTM D 1653: Moisture Vapor Transmission	
WVT (grains/h ft²) 12.4 perms: 30.3	Pass ✓
ASTM D 412: Tensile Properties	
Tensile Strength: 109 psi Elongation: 709%	Pass ✓
ASTM C 1305: Cracking/Bridging Ability	
Results: No cracking	Pass ✓
ASTM D 2697: Solids Content by Volume	
Results: 46.5% Density: 11.4 lbs/gal.	Pass ✓
Validation Date: 4/11/13 - 4/12/18	
No. 413-WS418	Copyright © 2013
WALLCOATINGS VALIDATION	
www.swrionline.org	

SURFACE PREPARATION

Refer to Guide Specification, DS140.

APPLICATION

Mix well prior to application. Recommended application method is by airless spray or roller. For detailed application instructions, refer to specifications. Thinning not recommended unless spraying.

COVERAGE

Two coats of Weatherlastic Smooth are recommended. Coverage listed is for two coats at a thickness of 11 mils wet each, which yields a combined dry film thickness of 11 mils. A minimum 11 mils dry film thickness is required for warranted waterproofing performance. Approximately 65-72 ft² (6–6.7 m²) per gallon.

PACKAGING

55 lb (25 kg) weight in a 5 gal (19 L) pail for factory-tinted colors. 50 lb (23 kg) weight in a 5 gal (19 L) pail for tint bases. Final weight will depend upon level of pigment added to obtain desired color.

STORAGE

Weatherlastic Smooth must be stored at a minimum of 45 °F (7 °C) and a maximum of 100 °F (38 °C) in tightly sealed containers protected from weather and out of direct sunlight.

Shelf Life: 2 years in unopened container. Store in a cool, dry location.

CAUTIONS & LIMITATIONS

- Avoid applying Weatherlastic Smooth in direct sunlight. Always work on the shady side of the wall or protect the area with appropriate shading material.
 - Keep from freezing.
 - Not for use below grade or in immersion service.
 - In-service temperature limit is 200 °F (93 °C).
 - Weatherlastic Smooth must not be used on exposed exterior horizontal surfaces.
 - Minimum slope is 6 in 12 (27°). Maximum length of slope is 12 in (305 mm).
 - Weatherlastic Smooth colors are slightly darker than the same color in a Dryvit textured finish. Exact color match from batch to batch cannot be guaranteed.
 - Weatherlastic Smooth shall not be returned into any sealant joint. Instead a coat of Color Prime™, Weatherprime®, Demandit® Smooth or Weathercoat™ should be applied over the base coat that will be in contact with sealant.
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CLEAN UP

Clean tools with soapy water while Weatherlastic Smooth is still wet.

TECHNICAL AND FIELD SERVICES

Available on request.

WEATHERLASTIC® SMOOTH TESTING¹

TEST	TEST METHOD	RESULTS
Resistance to Wind Driven Rain • Weight Gain (oz) • Visible Water Leaks	ASTM D 6904	• 1.0 oz • none
Moisture Vapor Transmission • WVT (grains/ft ² •h) • Perms	ASTM D 1653	• 12.4 grains/ft ² •h • 30.3 perm
Tensile Properties • Tensile Strength (psi) • Elongation (%)	ASTM D 412	• 109 psi • 709%
Crack Bridging	ASTM C 1305	No cracking
Volume Solids (%)	ASTM D 2697	46.5%
Weight Solids (%)	ASTM D 2697	56.6%
Density (lbs/gal)	ASTM D 2697	11.4 lbs/gal
Flexibility	ASTM D 522	Passed 1/8 in diameter @ -30 °F no cracking
Mildew Resistance	ASTM D 5590-00	Aureobasidium Pullulans No growth A. Niger+P. Funiculosum Trace growth, <10%
Adhesion to Concrete	ASTM D 4541-85	125 psi

1. Testing conducted at independent third party laboratory. Data may vary slightly from SWRI validation results.

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